

Course No.	459.561	Lecture No.	001	Course Title (Subtitle)	응용핵물리특강 (Applied Nuclear Physics Special Topics)	Credit	3	
Representative Instructor	Name	Geehyun Kim (post :)			Homepage			
	E-mail	gk.rs@snu.ac.kr			Phone No.	02-880-7205		
	Interview Time/Place :							
Prerequisite Course								
* Course keyword	Applied Nuclear Physics							
* 1.Purpose of Course	To understand physical models used in atomic and nuclear physics and introduce recent research trends and approaches in applications of nuclear physics.							
* 2.Materials and Reference	K. Krane, Introductory Nuclear Physics 2 nd Ed.							
* 3.Evaluation Method	Attendance	Task	Medium	Final	Random Evaluation	Attitude	Other	Total
	10	30	30	30	0	0	0	0
	Attendance Policy : Students who are absent for over 1/3 of the class will receive a grade of 'F' or 'U' for the course. (Exceptions can be made when the cause of absence is deemed unavoidable by the course instructor.)							
Remark of Others :								
* 4.Lecture Plan	1. Introduction/ Fundamentals on Metrology 2. Measurement and Calibration: Calibration Methods 3. Nuclear Safeguard Techniques 4. Technical Aspects of Nuclear Safeguards 5. Nuclear Safeguard and Security Technique 6. Spent Fuel Assay 7. Nuclear Test Monitoring 8. Neutrons 9. Neutron Detector Trends 10. Radiation Imaging Technique 11. Quantum Mechanics 12. Presentations: Topics on Neutrons 13. Presentations: Detectors 14. Presentations: Quantum Mechanical ApproachZoom meeting 15. Final							
5.References to Course Registration								
6. Support Services for Students with Disabilities ※ You can modify these default contents.	For Lectures	<input type="checkbox"/> Visual Impairment: Make textbooks(digital textbook, braille textbook, enlarged textbook etc.), Allow note takers <input type="checkbox"/> Physical Disability: Make textbooks (digital textbook), Allow note takers and assistants <input type="checkbox"/> Hearing Impairment: Allow note takers and translators, Allow lecture recording <input type="checkbox"/> Health Impairment: Excuse absence due to health problems, Allow note takers <input type="checkbox"/> Learning Disability: Allow note takers <input type="checkbox"/> Intellectual Disability / Autism Spectrum Disorder: Allow note takers and mentors						
	For Assignments & Evaluations	<input type="checkbox"/> Visual Impairment / Physical Disability / Hearing Impairment / Health Impairment / Learning Disability: Extend assignment deadlines, Offer alternate assignment submission and response method, Extend testing period, Offer alternate testing method, Offer different testing room <input type="checkbox"/> Intellectual Disability / Autism Spectrum Disorder: Offer individualized assignments and alternative evaluations						
	Others	Students who take this course can get appropriate level of support service including the support listed above depending on the students' individual characteristics and needs through consultation with professors and the Support Center for Students with Disabilities. If you have any questions concerning support service for students with disabilities you can contact Professor *** (02-880-****) or Support Center for Students with Disabilities (02-880-8787).						